

HIGHLY ACCURATE, LOW-PRESSURE LABORATORY TRANSMITTER

0-0.1 to 0-50 inH₂O
0-25 Pa to 0-1.25 kPa

PX655 Series



Ideal Applications

- ✓ Clean Rooms
- ✓ HVAC
- ✓ Fume Hoods
- ✓ Laboratory Monitoring



PX655-0.5BDI, with DP3002-E meter, shown smaller than actual size.

SPECIFICATIONS

Excitation: 12 to 36 Vdc
Output: 4 to 20 mA (2 wire)
Linearity: 0.3% FS (BFSL)
Hysteresis: 0.02% FS
Repeatability: 0.05% FS
Operating Temp: -29 to 72°C (-20 to 160°F)
Compensated Temp: 2 to 57°C (35 to 135°F)
Thermal Effects:
 Zero: 0.015% FS/°F
 Span: 0.015% rdg/°F
Proof Pressure: 15 psi
Burst Pressure: 20 psi
Static Pressure: 25 psi
Gage Type: Capacitance
Max Loop Resistance:
 (Supply voltage - 12) x 50 Ω
Calibration Report: NIST cal at 25, 50, 75 and 100% FS; upscale and downscale provided
Response Time: 250 ms
Wetted Parts: Dry, clean, non-corrosive gases only
Enclosure: NEMA 2 (IP62)
Dimensions: 107 H x 117 W x 53 mm D (4.2 x 4.6 x 2.1")
Pressure Port: ¼ barbed fittings (tubing TY-316-100)
Electrical Connection: Screw terminal
Weight: 368 g (13 oz)

To Order

RANGE		MODEL NO.	COMPATIBLE METERS
inH ₂ O	Pa/kPa		
0 to 0.1	0 to 25	PX655-0.1DI	DP25B-E, DP41-E, DP460-E
0 to 0.25	0 to 62	PX655-0.25DI	DP25B-E, DP41-E, DP460-E
0 to 0.50	0 to 125	PX655-0.5DI	DP25B-E, DP41-E, DP460-E
0 to 0.75	0 to 187	PX655-0.75DI	DP25B-E, DP41-E, DP460-E
0 to 1	0 to 249	PX655-01DI	DP25B-E, DP41-E, DP3002-E
0 to 1.5	0 to 374	PX655-01.5DI	DP25B-E, DP41-E, DP3002-E
0 to 2	0 to 498	PX655-02DI	DP25B-E, DP41-E, DP460-E
0 to 3	0 to 748	PX655-03DI	DP25B-E, DP41-E, DP460-E
0 to 5	0 to 1.25	PX655-05DI	DP25B-E, DP41-E, DP460-E
0 to 10	0 to 2.49	PX655-10DI	DP25B-E, DP41-E, DP3002-E
0 to 25	0 to 6.23	PX655-25DI	DP25B-E, DP41-E, DP460-E
0 to 50	0 to 12.5	PX655-50DI	DP25B-E, DP41-E, DP460-E
BI-DIRECTIONAL RANGES			
±0.1	25	PX655-0.1BDI	DP25B-E, DP41-E, DP460-E
±0.25	62	PX655-0.25BDI	DP25B-E, DP41-E, DP460-E
±0.50	125	PX655-0.5BDI	DP25B-E, DP41-E, DP460-E
±1	249	PX655-01BDI	DP25B-E, DP41-E, DP460-E
±2.5	623	PX655-2.5BDI	DP25B-E, DP41-E, DP460-E
±5	1.25	PX655-05BDI	DP25B-E, DP41-E, DP460-E
±10	2.49	PX655-10BDI	DP25B-E, DP41-E, DP460-E
±25	6.23	PX655-25BDI	DP25B-E, DP41-E, DP460-E
±50	12.5	PX655-50BDI	DP25B-E, DP41-E, DP460-E

Comes complete with NIST traceable calibration and operator's manual.

Ordering Examples: PX655-01DI, 0 to 1 inH₂O pressure transducer range with 4 to 20 mA output pressure transmitter.

PX655-01BDI, ±1 psi differential pressure range with 4 to 20 mA output (0 set at 12 mA).